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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Patent Application of: )  
Applicants: Frank DiMeo, Jr., et al. ) Examiner: Hoa Q. Pham  
Serial No.: 09/442,568 ) Group Art Unit: 2877  
Date Filed: November 18, 1999 )  
Title: OPTICAL HYDROGEN DETECTOR )

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TECHNOLOGY CENTER 2800

**AMENDMENT AND RESPONSE**

Commissioner for Patents  
Washington, D.C. 20231

In response to the Office Action dated July 29, 2002, Applicants respectfully request entry of the following Amendments and consideration of the subsequent remarks.

**IN THE SPECIFICATION**

Please replace the last paragraph before the paragraph beginning at line 16 with the following:

Figure 11 depicts another embodiment of the present invention, where the optical filter comprises a rare earth metal thin film deposited on an optical output surface of the light source. In Figure 11, the hydrogen gas detector 50 comprises a light source 32 having an